

In the Claims

Please amend the claims as follows:

1. (Currently Amended) A valve for controlling material flow through a catheter, comprising:
a first flexible member formed as a first sheet of polymeric material including a first and second flaps separated from one another by a first slit, ~~moveable element, wherein, when the first moveable element is~~ and second flaps moving, when subjected to a fluid pressure of at least a predetermined threshold level, to an in the open position so that material may flow past the first flexible member through a first lumen of the catheter, the first and second flaps remaining closed at all times when a fluid pressure exerted thereagainst is less than the threshold level, and, when the first moveable element is in the closed position, to prevent flow through the first lumen is prevented; and
a first biasing member coupled to the first flexible member for biasing the first and second flaps ~~moveable member~~ toward the closed position.
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) The valve according to claim 3 1, wherein the first slit is substantially linear.
5. (Original) The valve according to claim 4, wherein the first biasing member extends around the first slit.
6. (Original) The valve according to claim 5, wherein the first biasing member is substantially rectangular.
7. (Currently Amended) The valve according to claim 21, wherein the first biasing member is formed of a wire embedded within the first flexible member.
8. (Original) The valve according to claim 4, wherein the flexible member is formed substantially as a disc and where the first slit extends substantially parallel to a major axis of the disc.

9. (Currently Amended) The valve according to claim 1, further comprising:
a housing in which the first flexible member is mounted, the housing comprising first and second lumens, the first flexible member being mounted within the first lumen and a second flexible member formed as a sheet of polymeric material being mounted within the second lumen, the second flexible member including ~~[[a]]~~ third and fourth flaps remaining in a closed position at all times when a fluid pressure exerted thereagainst is lower than a further threshold level, moveable element, wherein, when the third and fourth flaps moving into an moveable element is in the open position[[,]] in which material may flow past the second flexible member through the second lumen ~~[[and,]]~~ when the ~~third moveable element is in the closed position;~~ flow through the second lumen is prevented fluid pressure thereagainst is at least the further threshold pressure; and
a second biasing member coupled to the second flexible member for biasing the ~~first moveable member~~ third and fourth flaps toward the closed position.
10. (Currently Amended) The valve according to claim ~~21~~, wherein the first and second ~~movable elements are resilient~~ flaps are separated by first and second substantially parallel slits.
11. (Original) The valve according to claim 9, wherein the housing is adapted to couple to a first external line to the first lumen for supplying blood to a dialysis machine and to couple the second lumen to a second external line for receiving blood from the dialysis machine.
12. (Original) The valve according to claim 9, wherein the housing is a unitary part of the catheter.
13. (Cancelled)
14. (Cancelled)
15. (Currently amended) The valve according to claim ~~21~~, wherein the first flexible member is formed as a silicone disc.
16. (Currently Amended) A valve housing for a catheter comprising:
a first end permanently coupled to a patient line a distal end of which is to be implanted within a patient's body and a second end connectable to an external line;
a housing flow passage fluidly coupled to a flow passage of the patient line and

selectively coupleable to a flow passage of the external line; and

a valve mounted within the housing flow passage to selectively restrict flow of materials therethrough, the valve being formed as a sheet of polymeric material and including:

first and second flaps separated from one another by a moveable portion defined by a first slit in the valve sheet, the first and second flaps opening moveable portion being adapted to open when a fluid pressure applied to the valve is at least a threshold pressure and to remaining closed when the fluid pressure applied thereto is less than the threshold pressure; and

a first biasing member coupled to the valve, the biasing member biasing the first and second flaps moveable portion to the closed position.

17. (Cancelled)

18. (Currently Amended) The valve housing according to claim ~~17~~16, wherein the first biasing member is embedded within the flexible ~~disc~~ sheet.

19. (Original) The valve housing according to claim 18, wherein the first biasing member is formed of at least one length of wire.

20. (Original) The valve housing according to claim 19, wherein the at least one length of wire extends around the first slit.

21. (Original) The valve housing according to claim 20, wherein the at least one length of wire comprises a plurality of unjoined wire segments.

22. (Currently Amended) The valve housing according to claim 18, further comprising a second biasing member, the first biasing member extending substantially parallel to the first slit ~~[[one]]~~ on a first side thereof and the second biasing member extending substantially parallel to the first slit on a second side thereof opposite the first biasing member.

23. (Original) The valve housing according to claim 22, further comprising at least one third biasing member extending substantially perpendicular to the first slit and separated from an end of the first slit.

24. (Original) The valve housing according to claim 23, wherein the at least one third biasing

member includes a pair of third biasing members extending adjacent to opposite ends of the first slit.

25. (Original) The valve housing according to claim 24, further comprising a pair of second slits extending substantially perpendicular to the first slit at opposite ends thereof to form an H-shaped arrangement of slits, wherein the third biasing members are radially outside the second slits with respect to the first slit.

26. (Original) The valve housing according to claim 20, further comprising a second slit extending substantially parallel to the first slit within the first biasing member.

27. (Original) The valve housing according to claim 16, further comprising a pair of second slits, each of the second slits extending away from a first end of the first slit at a predetermined angle and a pair of third slits, each of the third slits extending away from a second end of the first slit opposite the first end at a predetermined angle.

28. (Original) The valve housing according to claim 27, wherein the valve is formed as a sheet of flexible material and wherein the first biasing member comprises a wire embedded within the sheet of flexible material, the first biasing member extending around the first second and third slits.

Please add new claims 29-34 as follows:

29. (New) The valve according to claim 1, wherein the threshold pressure is selected to be greater than pressures to which the valve will be subjected by anatomical influences.

30. (New) The valve according to claim 16, wherein the threshold pressure is selected to be greater than pressures to which the valve will be subjected by anatomical influences.

31. (New) The valve according to claim 1, wherein the threshold pressure is below a pressure at which anatomical structures connected to the device will be damaged.

32. (New) The valve housing according to claim 16, wherein the threshold pressure is below a pressure at which anatomical structures connected to the device will be damaged.

33. (New) The valve according to claim 1, wherein the first and second flaps open along a first direction in response to pressure along the first direction and along a second direction in response to pressure along the second direction, the first and second directions oriented opposite to each other along a longitudinal axis of the catheter.

34. (New) The valve according to claim 16, wherein the first and second flaps open along a first direction in response to pressure along the first direction and along a second direction in response to pressure along the second direction, the first and second directions oriented opposite to each other along a longitudinal axis of the catheter.